

GRP94 Polyclonal Antibody

Catalog NumberPA5-27860

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	<div><div>Tested Applications</div><div>Dilution *</div></div> <div>Immunohistochemistry (Paraffin) (IHC (P))1:100-1:1,000</div> <div>Immunoprecipitation (IP)1:100-1:500</div> <div>Western Blot (WB)1:500-1:10,000</div> <div>Immunocytochemistry (ICC/IF)1:100-1:1,000</div>	
Class	Polyclonal		
Type	Antibody		
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 366 of Human GRP94		
Conjugate	Unconjugated		
Form	Liquid	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Concentration	0.95 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, A431, H1299, HeLaS3, HepG2, Molt-4, Raji, NIH-3T3, endothelial cells. Predicted reactivity: Mouse (98%), Rat (97%), Zebrafish (84%), Xenopus laevis (84%), Dog (99%), Pig (99%), Chicken (92%), Rhesus Monkey (100%), Chimpanzee (100%), Bovine (98%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

GRP94 is a 803 amino acid protein belonging to the heat shock protein 90 family. It acts as a molecular chaperone that functions in the processing and transport of secreted proteins. GRP94 and its N-terminal fragment stimulates CTL expansion and maturation of human monocyte-derived dendritic cells (MDDC). It plays a central role in innate as well as acquired immunity, maturation and chemotaxis of dendritic cells, Ab production, cross-priming, as a potential marker in breast cancer and is a peptide acceptor in endoplasmic reticulum and an accessory to peptide loading of MHC class I molecules. Expression of GRP94 suppressed A23187-induced apoptosis and stabilized calcium homeostasis. GRP94 is expressed in melanoma or liver metastases of colon carcinoma cells, human gastric carcinoma BGC-823 cells.

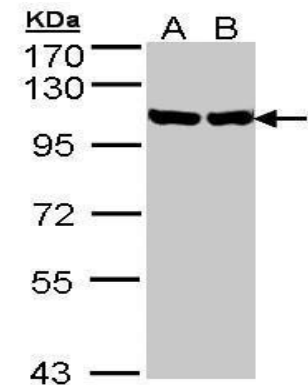
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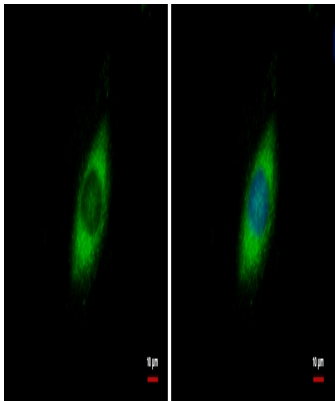
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Product Images For GRP94 Polyclonal Antibody



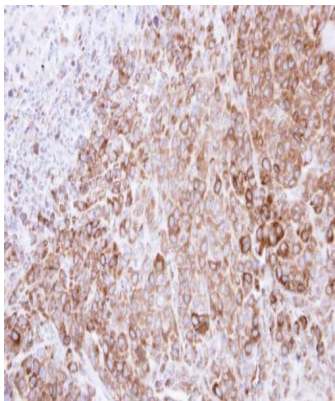
GRP94 Antibody (PA5-27860) in WB

Western Blot using GRP94 Polyclonal Antibody (Product # PA5-27860). Sample (30 µg of whole cell lysate). A: H1299. B: HeLa S3. 7.5% SDS PAGE. GRP94 Polyclonal Antibody (Product # PA5-27860) diluted at 1:1,000.



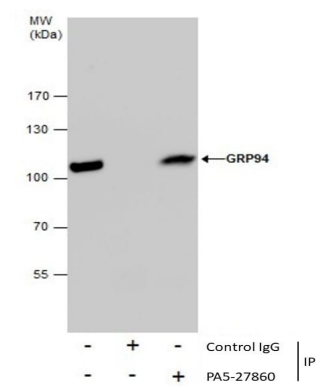
GRP94 Antibody (PA5-27860) in ICC/IF

GRP94 Polyclonal Antibody detects GRP94 protein at cytoplasm by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: GRP94 protein stained by GRP94 Polyclonal Antibody (Product # PA5-27860) diluted at 1:500. Blue: Hoechst 33342 staining.



GRP94 Antibody (PA5-27860) in IHC (P)

Immunohistochemical analysis of paraffin-embedded SCM-1 xenograft , using HSP90B (Product # PA5-27860) antibody at 1:500 dilution. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



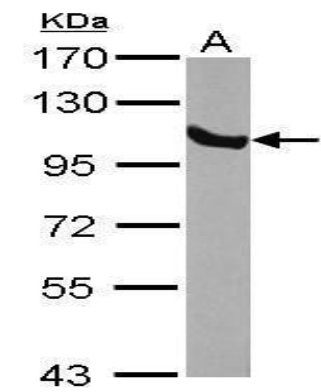
GRP94 Antibody (PA5-27860) in IP

Immunoprecipitation of GRP94 was performed in HeLa whole cell extracts using 5 µg of GRP94 Polyclonal Antibody (Product # PA5-27860). Samples were transferred to a membrane and probed with GRP94 Polyclonal Antibody as a primary antibody and an HRP-conjugated anti-Rabbit IgG was used as a secondary antibody.

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Western Blot using GRP94 Polyclonal Antibody (Product # PA5-27860). Sample (30 µg of whole cell lysate). Lane A: NIH-3T3 . 7.5% SDS PAGE. GRP94 Polyclonal Antibody (Product # PA5-27860) diluted at 1:5,000.

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